M-7371 US

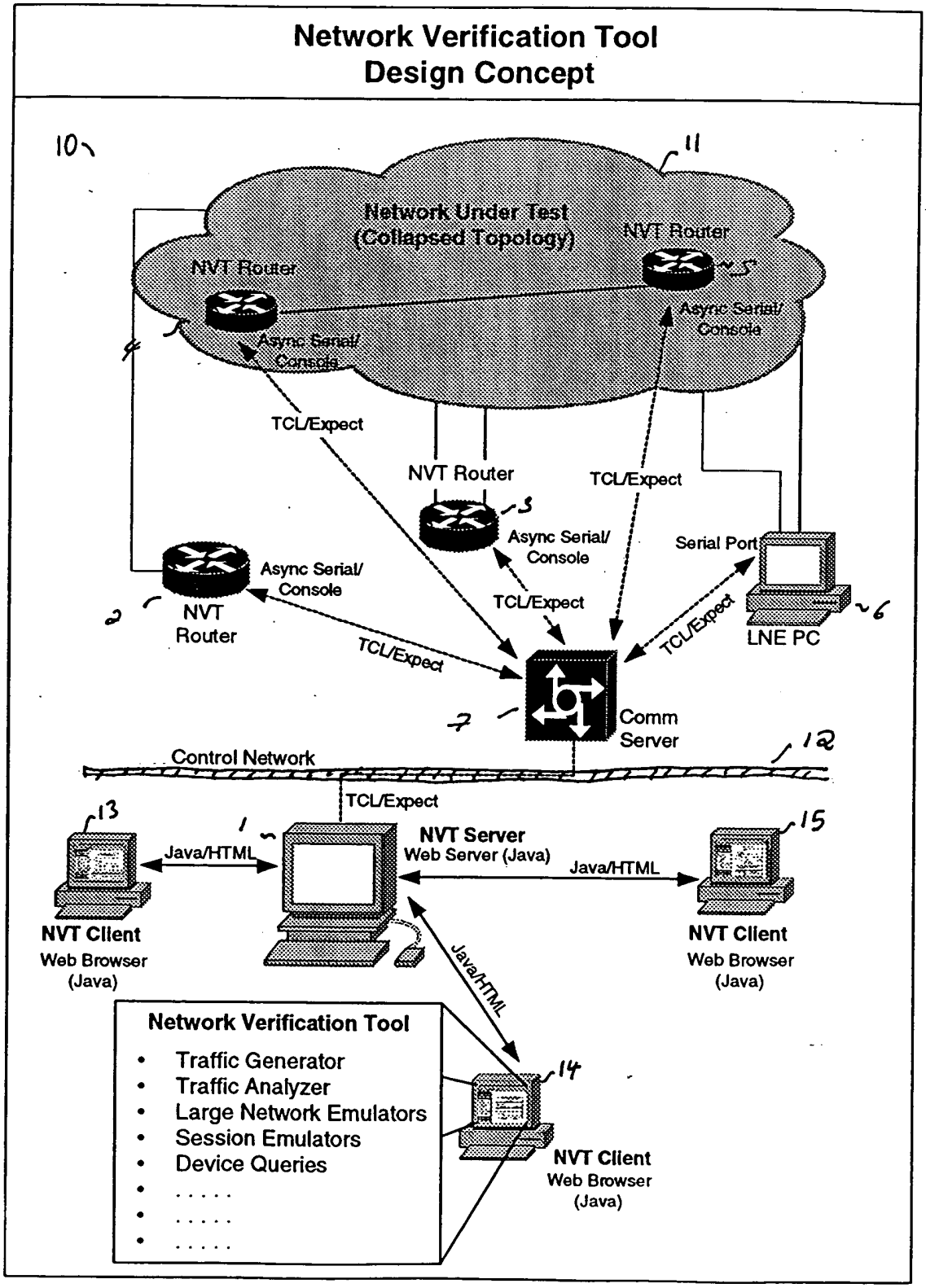


Figure 1

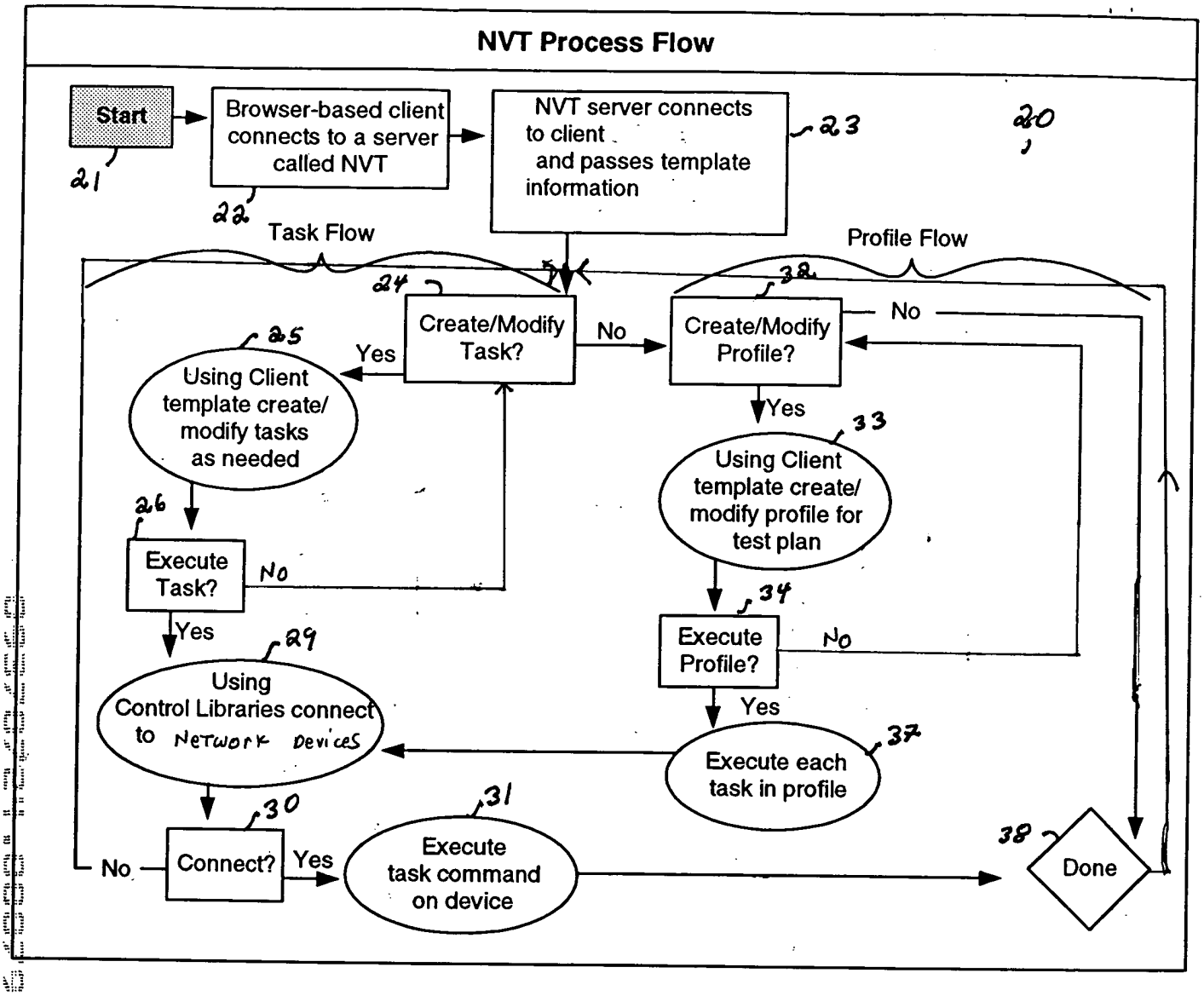

NVT Process Flow
Start
21
Browser-based client connects to a server called NVT
22
NVT server connects to client and passes template information
23
20
Task Flow
Profile Flow
24
Create/Modify Task?
Yes
No
25
Using Client template create/ modify tasks as needed
26
Execute Task?
No
Yes
29
Using Control Libraries connect to Network Devices
30
Connect?
No
Yes
31
Execute task command on device
32
Create/Modify Profile?
No
Yes
33
Using Client template create/ modify profile for test plan
34
Execute Profile?
No
Yes
37
Execute each task in profile
38
Done

Figure 2

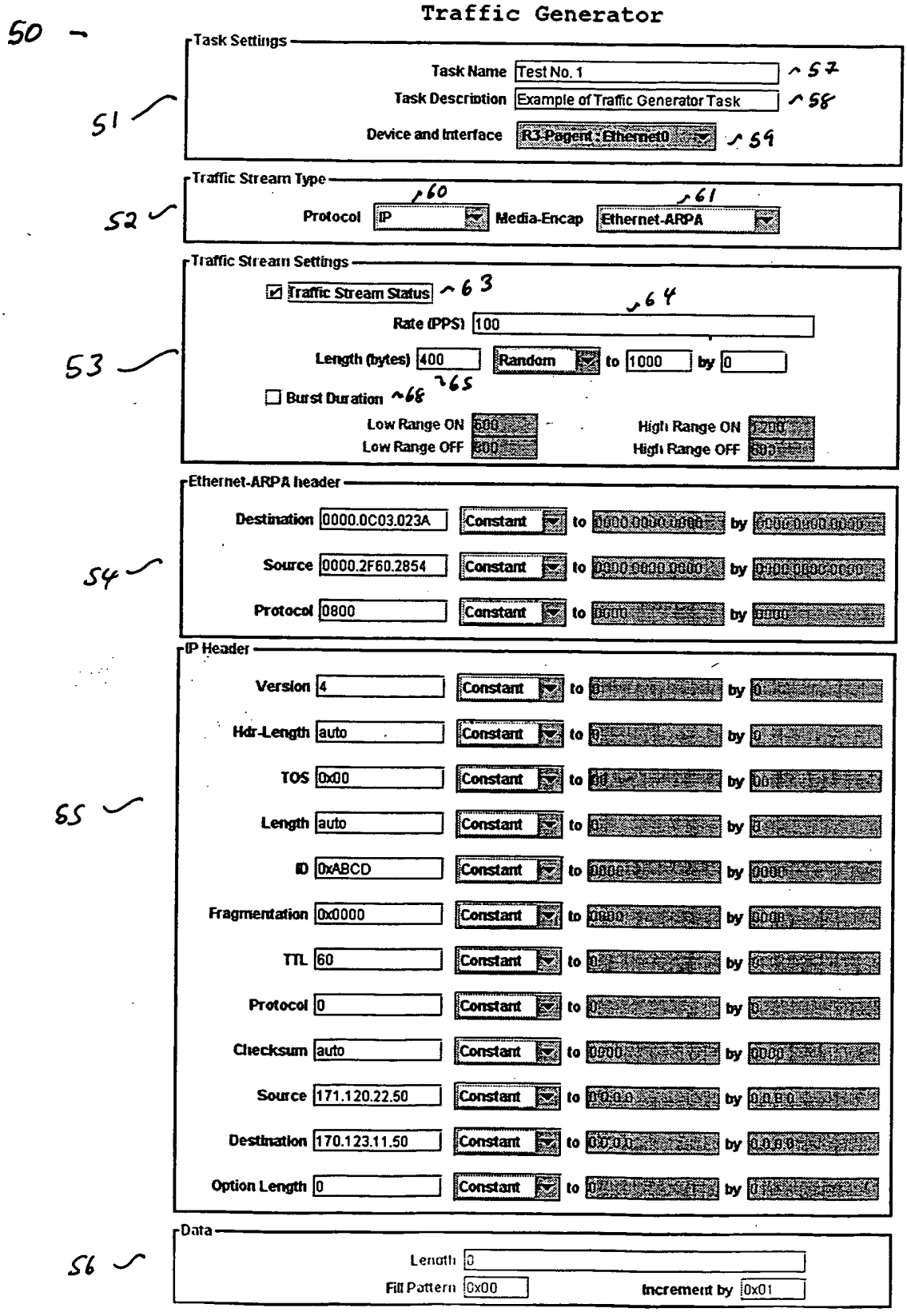

Traffic Generator
50
Task Settings
Task Name
Test No. 1
57
Task Description
Example of Traffic Generator Task
58
Device and Interface
R3-Pagent : Ethernet0
59
51
Traffic Stream Type
60
61
Protocol
IP
Media-Encap
Ethernet-ARPA
52
Traffic Stream Settings
Traffic Stream Status
63
64
Rate (PPS)
100
53
Length (bytes)
400
Random
to
1000
by
0
65
Burst Duration
68
Low Range ON
500
High Range ON
1200
Low Range OFF
200
High Range OFF
800
Ethernet-ARPA header
Destination
0000.0C03.023A
Constant
to
0000.0000.0000
by
0000.0000.0000
54
Source
0000.2F60.2854
Constant
to
0000.0000.0000
by
0000.0000.0000
Protocol
0800
Constant
to
0000
by
0000
IP Header
Version
4
Constant
to
0
by
0
Hdr-Length
auto
Constant
to
0
by
0
TOS
0x00
Constant
to
00
by
00
55
Length
auto
Constant
to
0
by
0
ID
0xABCD
Constant
to
0000
by
0000
Fragmentation
0x0000
Constant
to
0000
by
0000
TTL
60
Constant
to
0
by
0
Protocol
0
Constant
to
0
by
0
Checksum
auto
Constant
to
0000
by
0000
Source
171.120.22.50
Constant
to
0.0.0.0
by
0.0.0.0
Destination
170.123.11.50
Constant
to
0.0.0.0
by
0.0.0.0
Option Length
0
Constant
to
0
by
0
Data
56
Length
0
Fill Pattern
0x00
Increment by
0x01

Figure 3

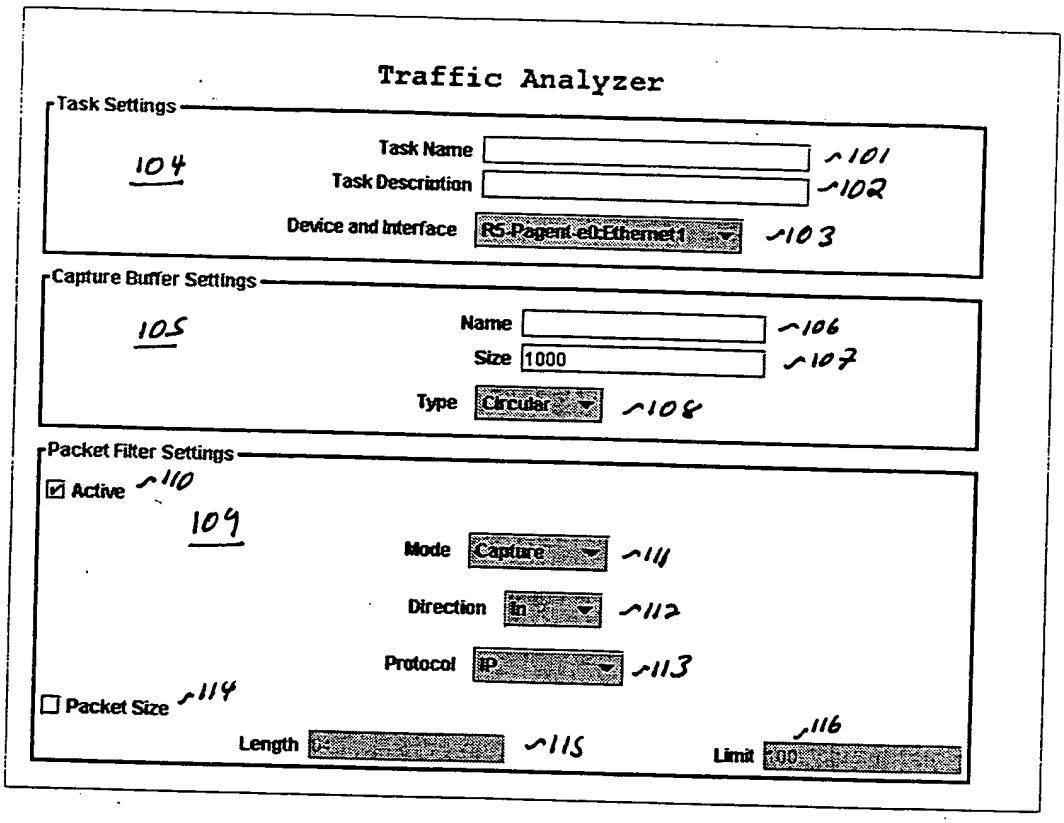

100
Traffic Analyzer
Task Settings
104
Task Name
101
Task Description
102
Device and Interface
R5-Pagent-e0:Ethernet1
103
Capture Buffer Settings
105
Name
106
Size
1000
107
Type
Circular
108
Packet Filter Settings
Active
110
109
Mode
Capture
111
Direction
In
112
Protocol
IP
113
Packet Size
114
Length
115
116
Limit
100

Figure 4

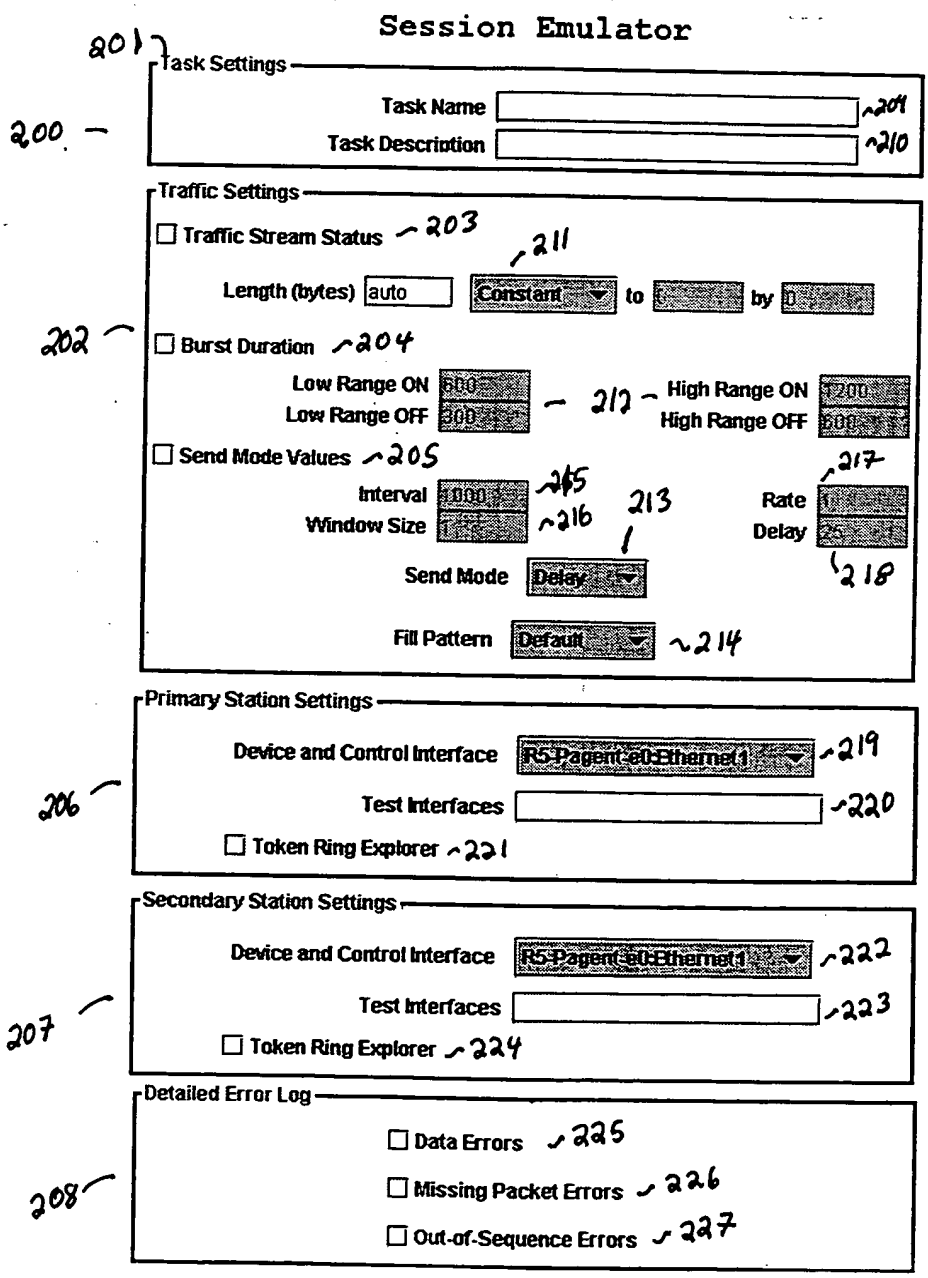

Session Emulator
201
Task Settings
Task Name
Task Description
200
209
210
Traffic Settings
Traffic Stream Status
203
211
Length (bytes)
auto
Constant
to
by
202
Burst Duration
204
Low Range ON
Low Range OFF
212
High Range ON
High Range OFF
Send Mode Values
205
217
Interval
215
213
Rate
Window Size
216
Delay
218
Send Mode
Delay
Fill Pattern
Default
214
Primary Station Settings
Device and Control Interface
219
206
Test Interfaces
220
Token Ring Explorer
221
Secondary Station Settings
Device and Control Interface
222
207
Test Interfaces
223
Token Ring Explorer
224
Detailed Error Log
208
Data Errors
225
Missing Packet Errors
226
Out-of-Sequence Errors
227

Figure 5A

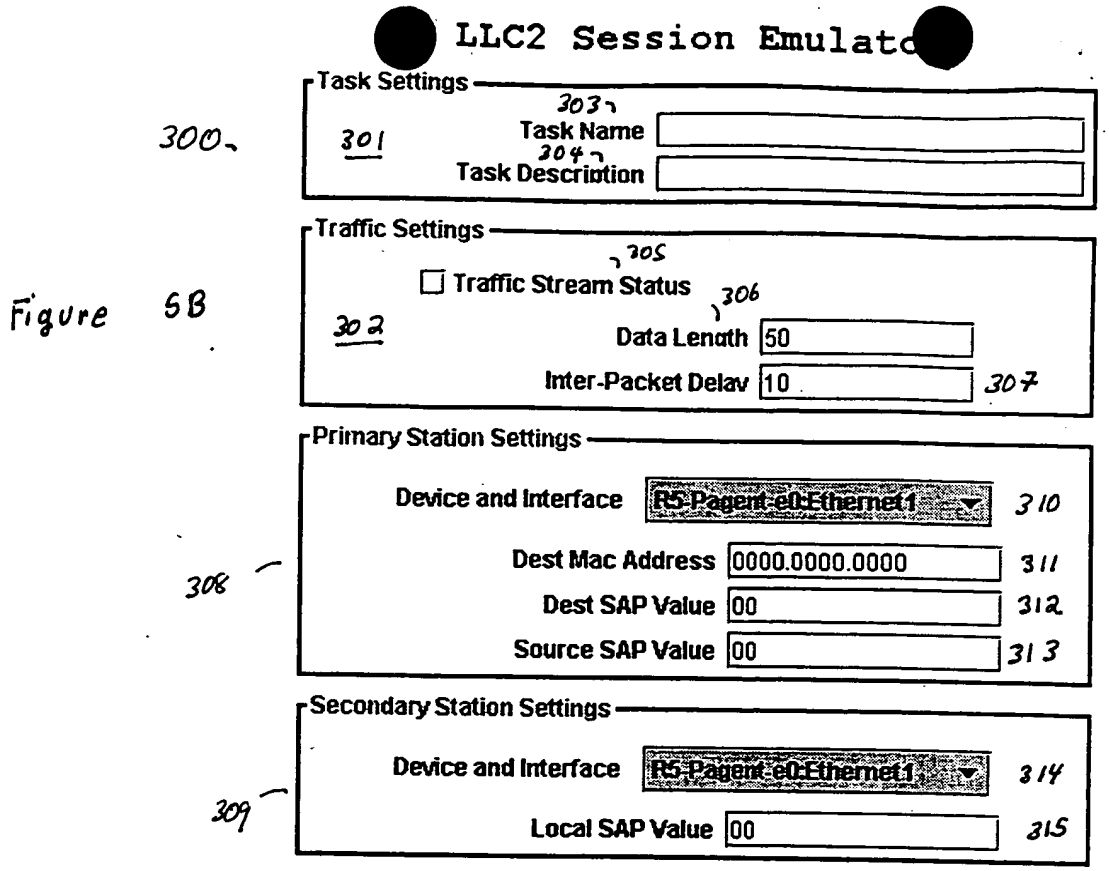


Figure 5B

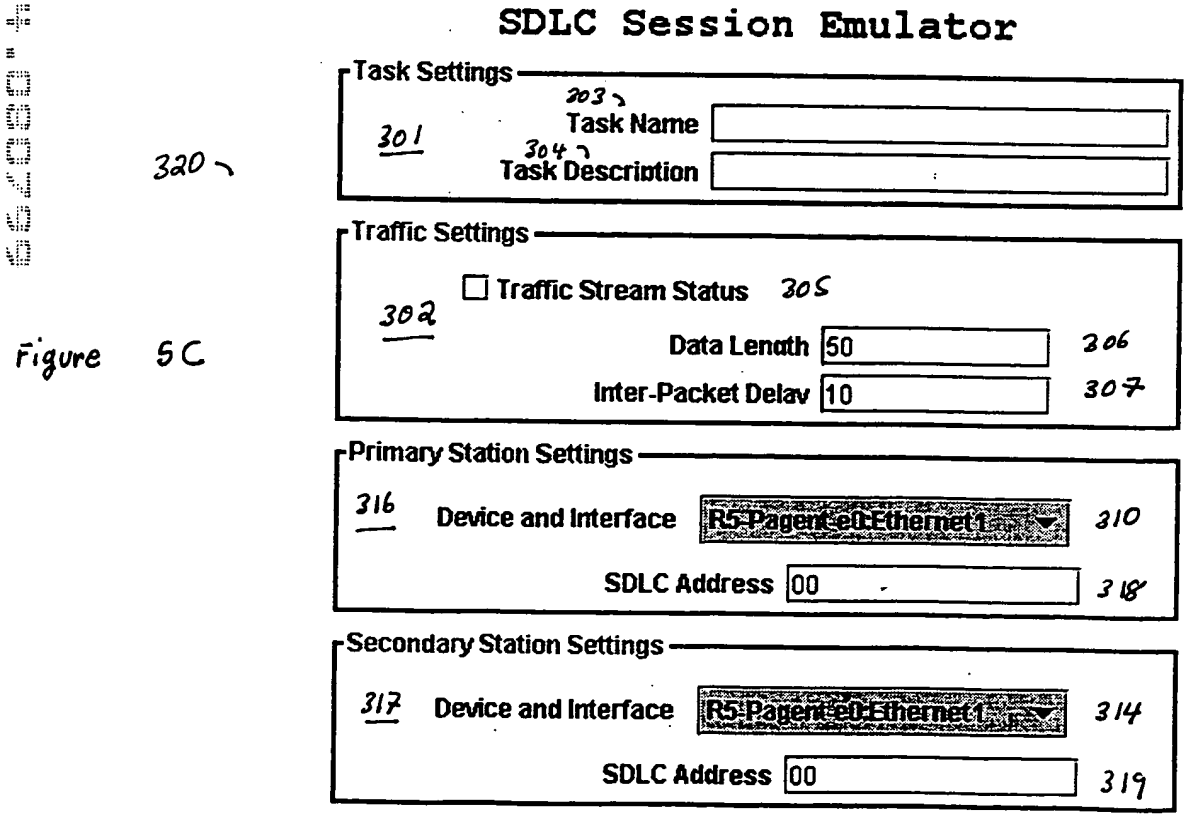


Figure 5C

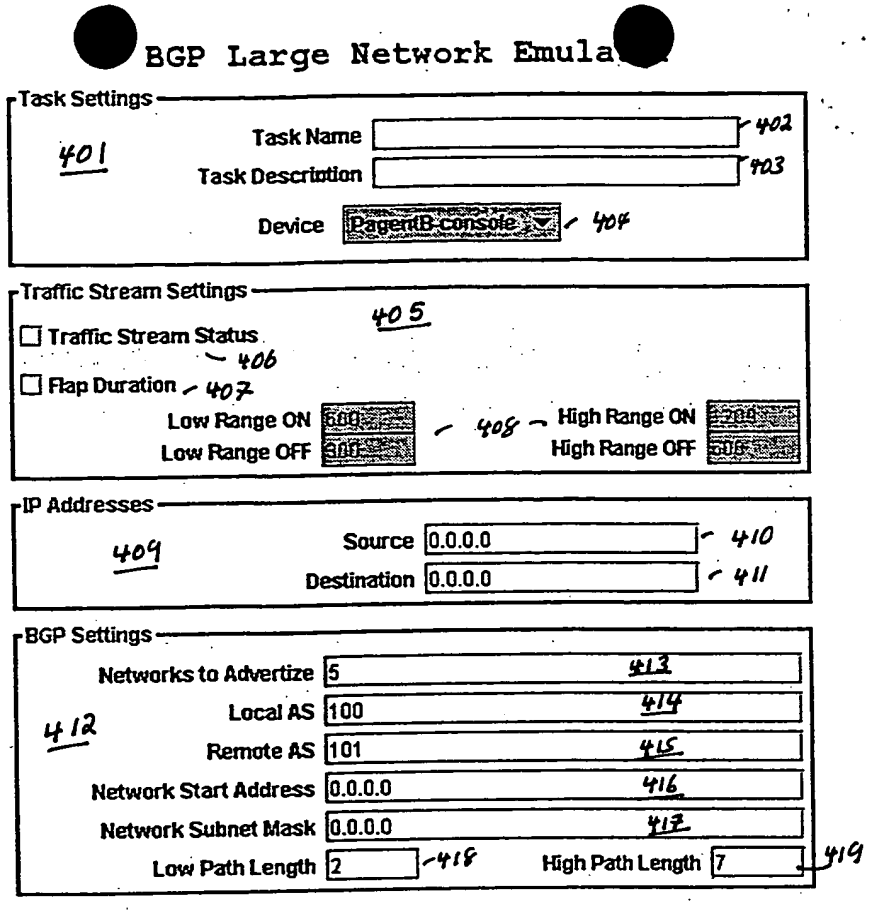


Figure 6A

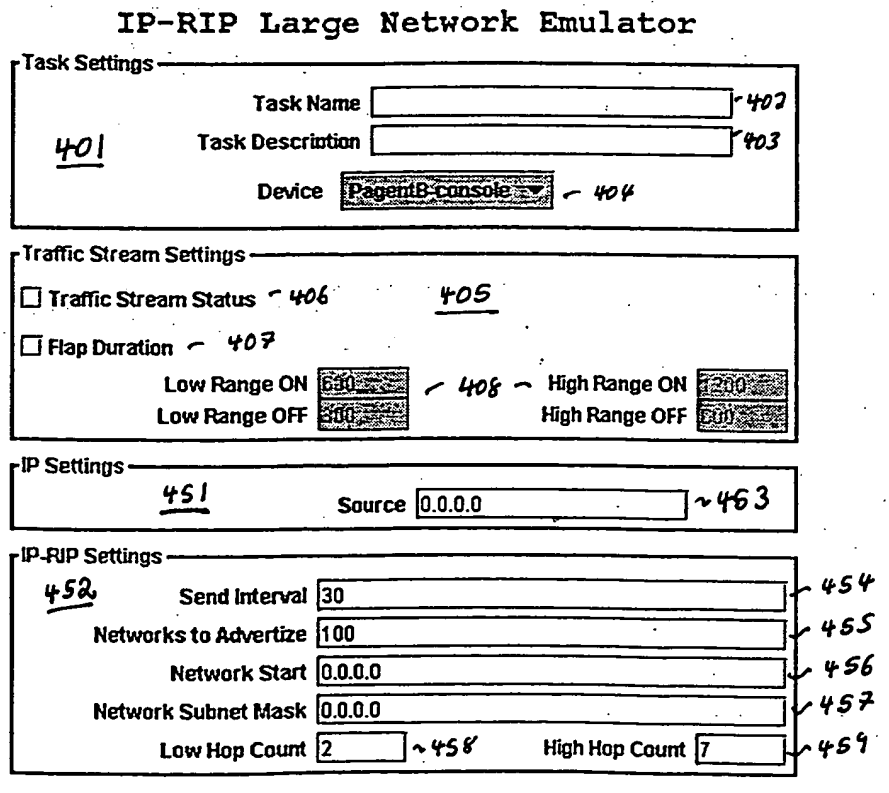
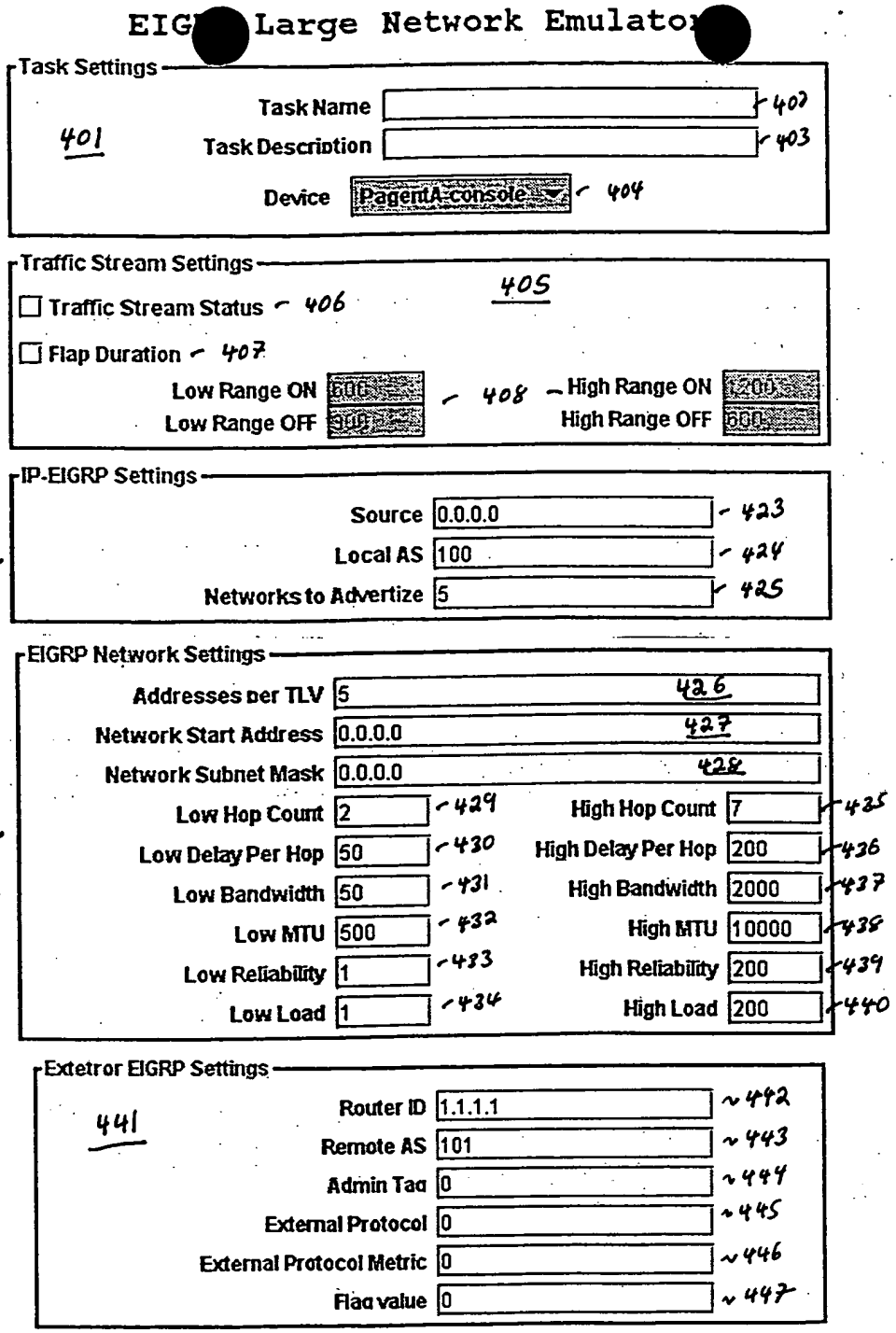


Figure 6C


EIG Large Network Emulato
Task Settings
401
Task Name
407
Task Description
403
Device
PagentA-console
404
Traffic Stream Settings
405
Traffic Stream Status
406
Flap Duration
407
420
Low Range ON
606
408
High Range ON
1200
Low Range OFF
900
High Range OFF
600
IP-EIGRP Settings
421
Source
0.0.0.0
423
Local AS
100
424
Networks to Advertize
5
425
EIGRP Network Settings
Addresses per TLV
5
426
Network Start Address
0.0.0.0
427
Network Subnet Mask
0.0.0.0
428
422
Low Hop Count
2
429
High Hop Count
7
435
Low Delay Per Hop
50
430
High Delay Per Hop
200
436
Low Bandwidth
50
431
High Bandwidth
2000
437
Low MTU
500
432
High MTU
10000
438
Low Reliability
1
433
High Reliability
200
439
Low Load
1
434
High Load
200
440
Extetror EIGRP Settings
441
Router ID
1.1.1.1
442
Remote AS
101
443
Admin Tag
0
444
External Protocol
0
445
External Protocol Metric
0
446
Flag value
0
447

igure 6B

Figure 6D

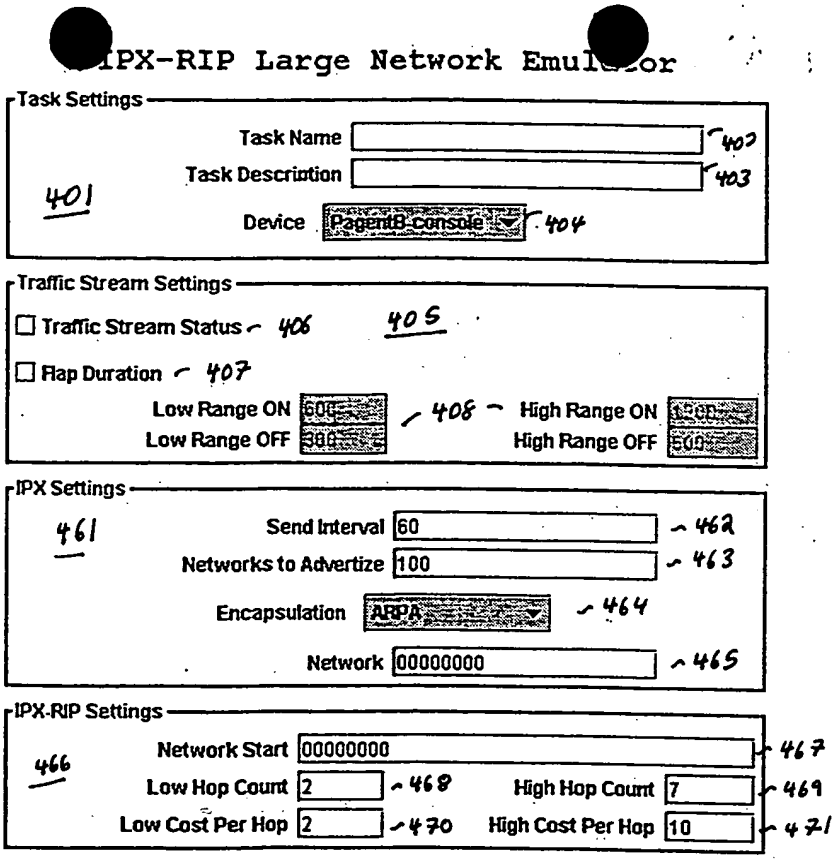
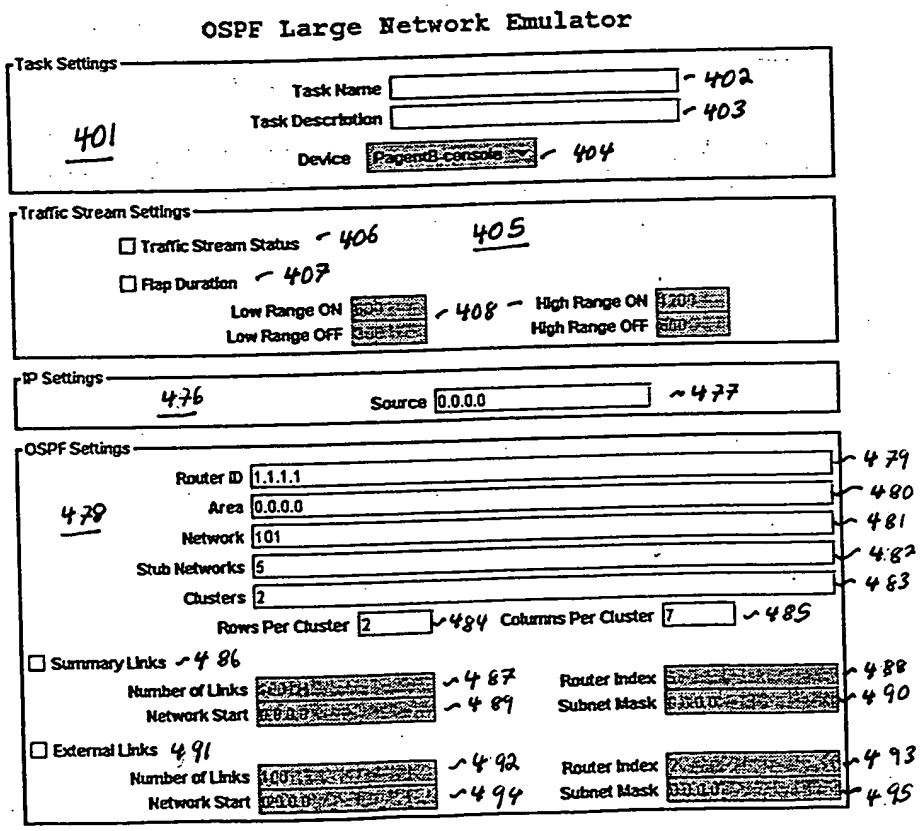


Figure 6E



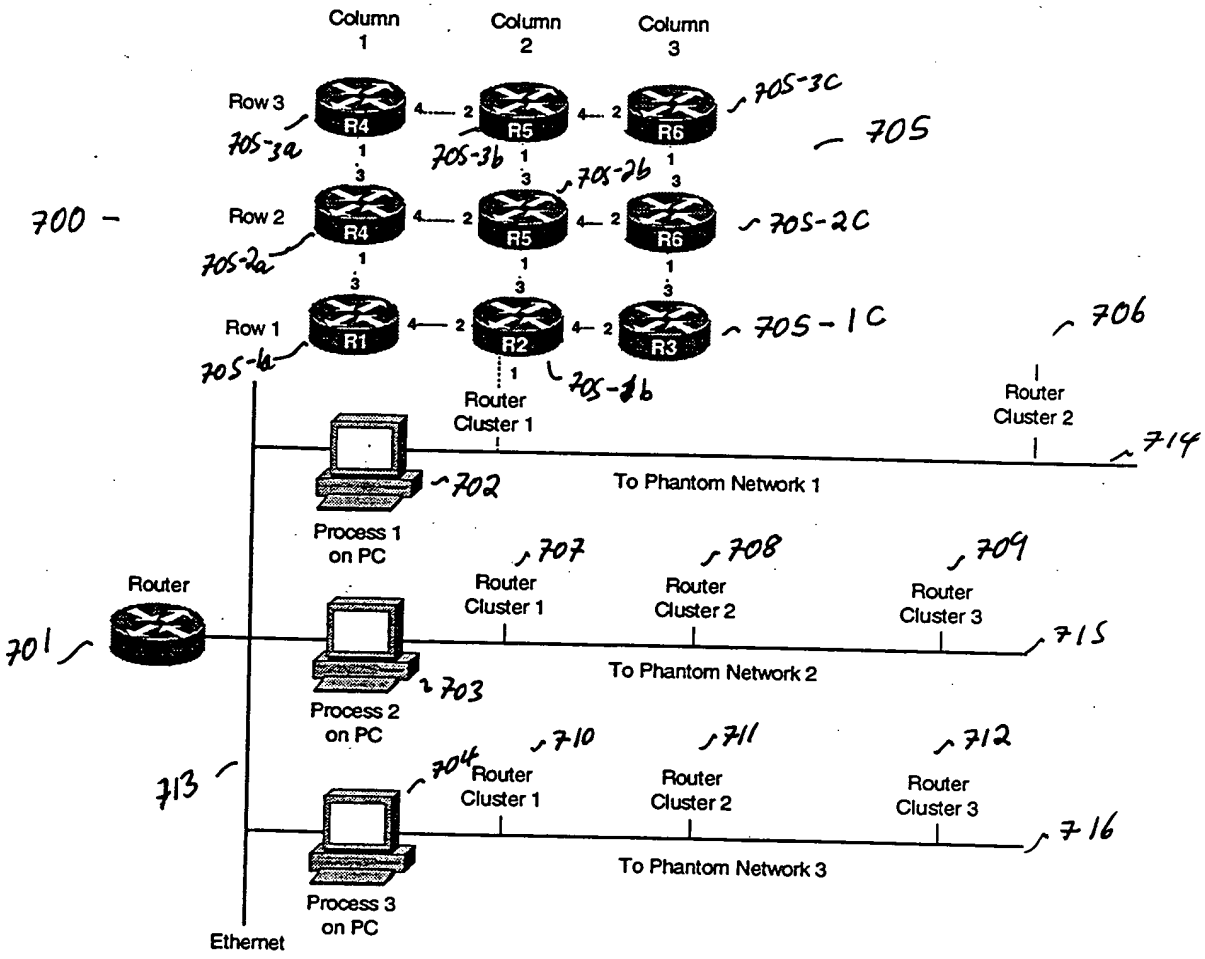

Column 1
Column 2
Column 3
Row 3
Row 2
Row 1
R4
R5
R6
R1
R2
R3
705-3a
705-3b
705-3c
705-2a
705-2b
705-2c
705-1a
705-1b
705-1c
705
700
706
Router Cluster 1
Router Cluster 2
714
To Phantom Network 1
Process 1 on PC
702
Router
701
707
708
709
Router Cluster 1
Router Cluster 2
Router Cluster 3
715
To Phantom Network 2
Process 2 on PC
703
713
704
710
711
712
Router Cluster 1
Router Cluster 2
Router Cluster 3
716
To Phantom Network 3
Process 3 on PC
Ethernet

Figure 7

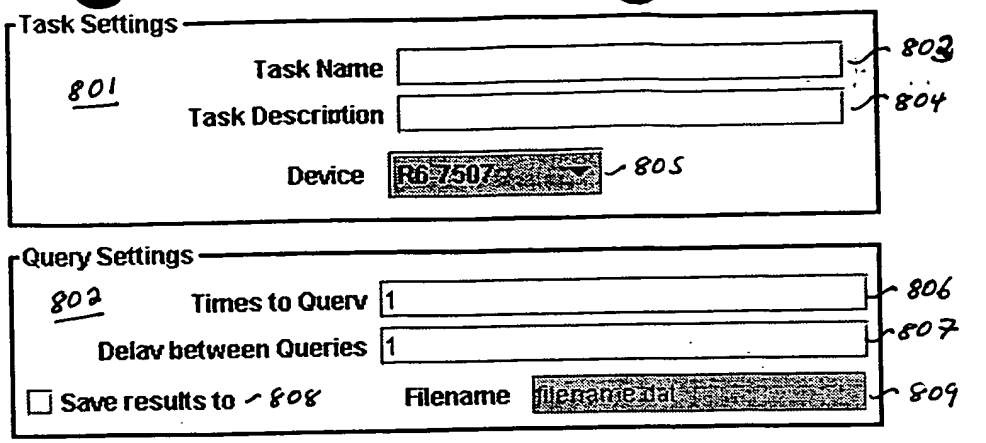


Figure 8A

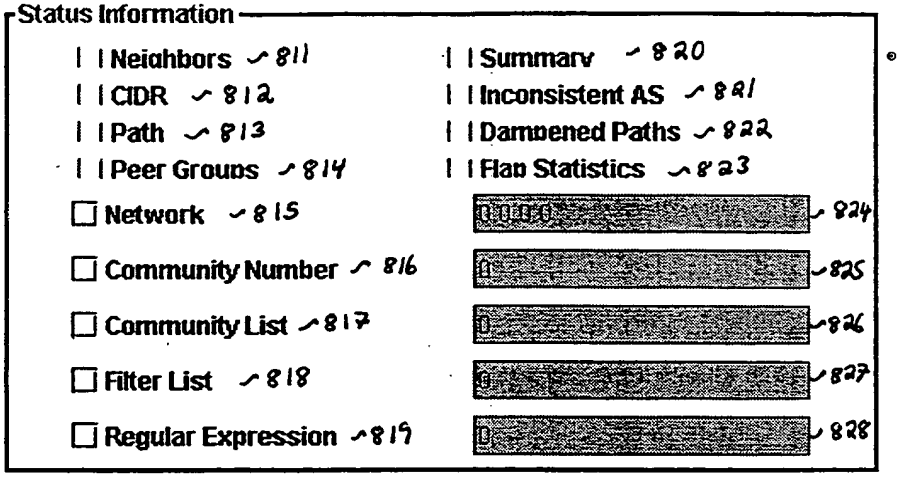


Figure 8B

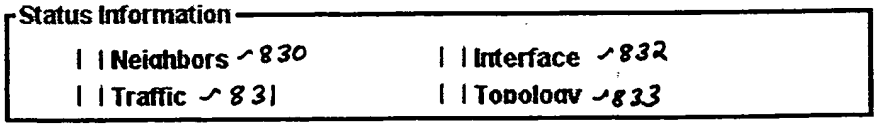


Figure 8C

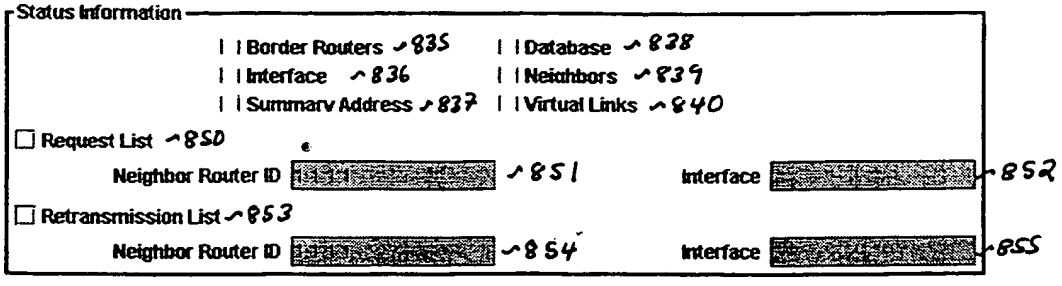


Figure 8D

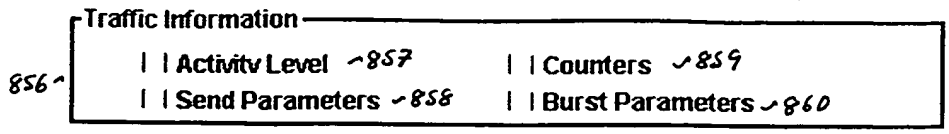


Figure 8E

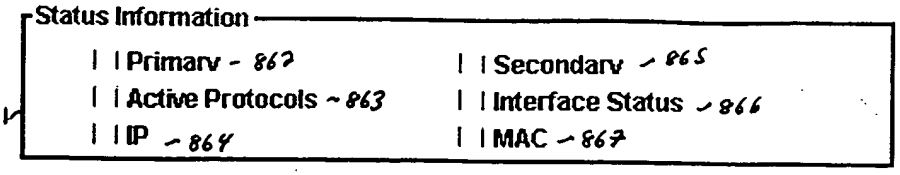
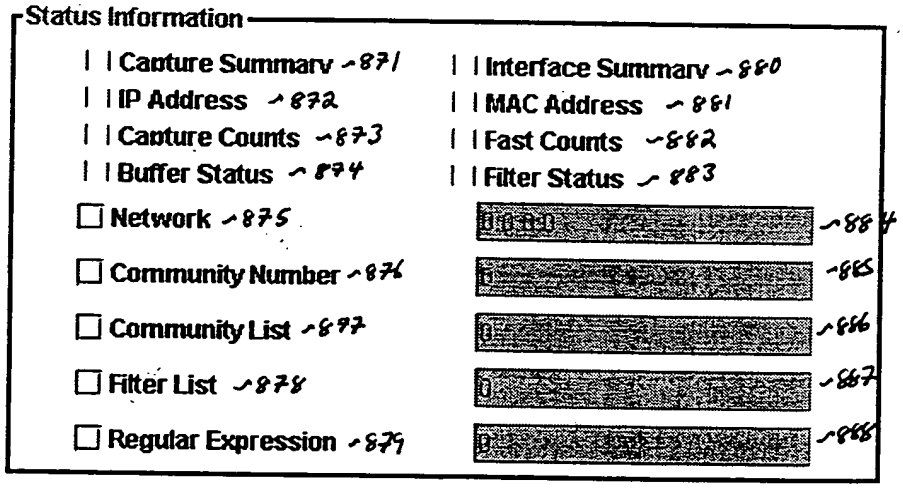


Figure 8F

Figure 8G



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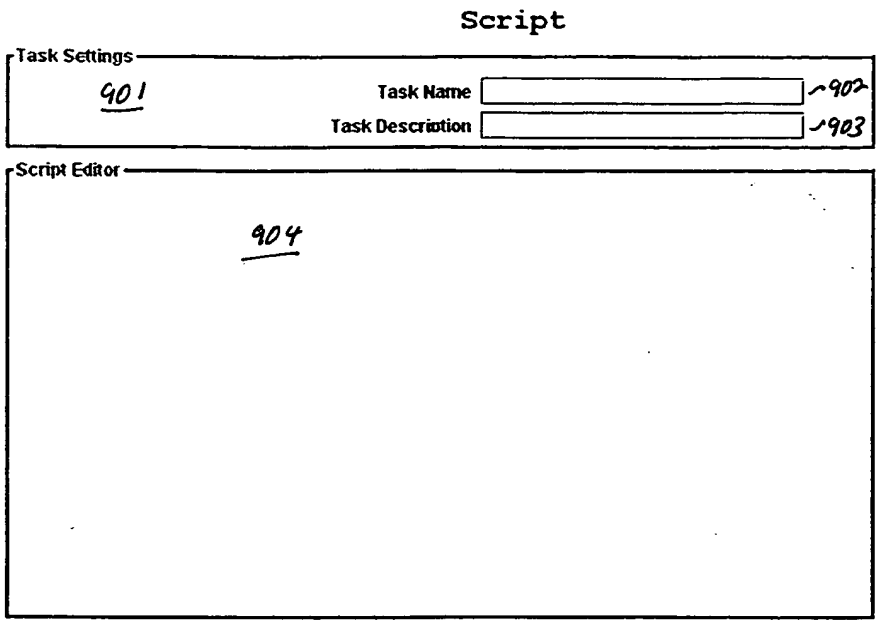

Figure 9

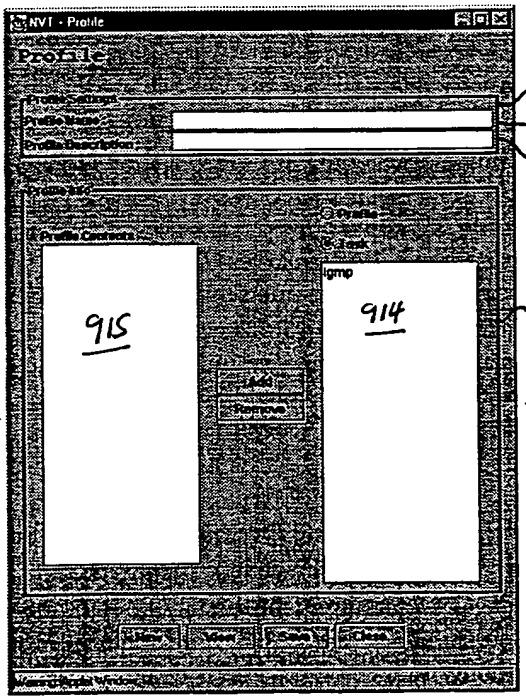

Figure 10